




**Electronic Filing System (EFS) Data**  
**Electronic Patent Application Submission**  
**USPTO Use Only**

**EFS ID:** 54048  
**Application ID:** 10630315  
**Title of Invention:** REMOTE CONTROL AUTOMATIC  
APPLIANCE ACTIVATION  
**First Named Inventor:** Mark Chuey  
**Domestic/Foreign Application:** Domestic Application  
**Filing Date:** 2003-07-30  
**Effective Receipt Date:** 2004-01-21  
**Submission Type:** Information Disclosure  
Statement  
**Filing Type:**  
**Confirmation number:** 9100  
**Attorney Docket Number:** LEAR 04077 PUS / 04077



**Total Fees Authorized:**

**Digital Certificate Holder:** cn=Mark D. Chuey,ou=Registered Attorneys,ou=Patent and Trademark  
Office,ou=Department of Commerce,o=U.S. Government,c=US  
**Certificate Message Digest:** 790953a3879d0ee8cfc916831bd02f7833af99ff

<b>Title of Invention</b>	<b>REMOTE CONTROL AUTOMATIC APPLIANCE ACTIVATION</b>	
<b>Application Number:</b> 10/630315  <b>Date:</b> 2003-07-30 <b>First Named Applicant:</b> Mark D. Chuey <b>Confirmation Number:</b> 9100 <b>Attorney Docket Number:</b> LEAR 04077 PUS / 04077		
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<b>Submitted by:</b>	<b>Elec. Sign.</b>	<b>Sign. Capacity</b>
Mark D. Chuey Registered Number: 42,415	/s/Mark D. Chuey	Agent
<b>Documents being submitted</b> us-ids	<b>Files</b> L04077pus-usidst.xml us-ids.dtd us-ids.xsl	
<b>Comments</b>		

Title of Invention	REMOTE CONTROL AUTOMATIC APPLIANCE ACTIVATION																																																																																																																						
<p>Application Number: 10/630315</p> <p>Confirmation Number: 9100</p> <p>First Named Applicant: Mark Chuey</p> <p>Attorney Docket Number: LEAR 04077 PUS / 04077</p> <p>Search string: ( 5154617 or 5278547 or 5455716 or 5442340 or 5475366 or 5479155 or 5583485 or 5614885 or 5614891 or 5619190 or 5646701 or 5627529 or 5661455 or 5661651 or 5661804 or 5686903 or 5691848 or 5699044 or 5699054 or 5699055 or 5708415 or 5793300 or 5845593 or 5903226 or 5940000 or 6091343 or 6137421 or 20020190872 or 20020197955 or 20030197594 or 20030197595 or 20030216139 or 20030228879 ).pn.</p> <p><b>US Patent Documents</b></p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td>W</td><td>1</td><td>5154617</td><td>1992-10-13</td><td>Suman et al.</td><td></td><td></td><td></td></tr><tr><td>W</td><td>2</td><td>5278547</td><td>1994-01-11</td><td>Suman et al.</td><td></td><td></td><td></td></tr><tr><td>W</td><td>3</td><td>5455716</td><td>1995-10-03</td><td>Suman et al.</td><td></td><td></td><td></td></tr><tr><td>W</td><td>4</td><td>5442340</td><td>1995-08-15</td><td>Dykema</td><td>✓</td><td></td><td></td></tr><tr><td>W</td><td>5</td><td>5475366</td><td>1995-12-12</td><td>Van Lente et al.</td><td></td><td></td><td></td></tr><tr><td>W</td><td>6</td><td>5479155</td><td>1995-12-26</td><td>Zeinstra et al.</td><td></td><td></td><td></td></tr><tr><td>W</td><td>7</td><td>5583485</td><td>1996-12-10</td><td>Van Lente et al.</td><td></td><td></td><td></td></tr><tr><td>W</td><td>8</td><td>5614885</td><td>1997-03-25</td><td>Van Lente et al.</td><td></td><td></td><td></td></tr><tr><td>W</td><td>9</td><td>5614891</td><td>1997-03-25</td><td>Zeinstra et al.</td><td></td><td></td><td></td></tr><tr><td>W</td><td>10</td><td>5619190</td><td>1997-04-08</td><td>Duckworth et al.</td><td>✓</td><td></td><td></td></tr><tr><td>W</td><td>11</td><td>5646701</td><td>1997-07-08</td><td>Duckworth et al.</td><td>✓</td><td></td><td></td></tr><tr><td>W</td><td>12</td><td>5627529</td><td>1997-05-06</td><td>Duckworth et al.</td><td>✓</td><td></td><td></td></tr><tr><td>W</td><td>13</td><td>5661455</td><td>1997-08-26</td><td>Van Lente et al.</td><td></td><td></td><td></td></tr></tbody></table>								init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	W	1	5154617	1992-10-13	Suman et al.				W	2	5278547	1994-01-11	Suman et al.				W	3	5455716	1995-10-03	Suman et al.				W	4	5442340	1995-08-15	Dykema	✓			W	5	5475366	1995-12-12	Van Lente et al.				W	6	5479155	1995-12-26	Zeinstra et al.				W	7	5583485	1996-12-10	Van Lente et al.				W	8	5614885	1997-03-25	Van Lente et al.				W	9	5614891	1997-03-25	Zeinstra et al.				W	10	5619190	1997-04-08	Duckworth et al.	✓			W	11	5646701	1997-07-08	Duckworth et al.	✓			W	12	5627529	1997-05-06	Duckworth et al.	✓			W	13	5661455	1997-08-26	Van Lente et al.			
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	14	5661651	1997-08-26	Geschke et al.	✓
	15	5661804	1997-08-26	Dykema et al.	✓
	16	5686903	1997-11-11	Duckworth et al.	✓
	17	5691848	1997-11-25	Van Lente et al.	
	18	5699044	1997-12-16	Van Lente et al.	
	19	5699054	1997-12-16	Duckworth	✓
	20	5699055	1997-12-16	Dykema et al.	✓
	21	5708415	1998-01-13	Van Lente et al.	
	22	5793300	1998-08-11	Suman et al.	
	23	5845593	1998-12-08	Birkestrand	
	24	5903226	1999-05-11	Suman et al.	
	25	5940000	1999-08-17	Dykema	✓
	26	6091343	2000-07-18	Dykema et al.	✓
	27	6137421	2000-10-24	Dykema	✓

### US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications.

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20020190872	2002-12-19	Suman et al.			
	2	20020197955	2002-12-26	Witkowski et al.			
	3	20030197594	2003-10-23	Olson et al.			
	4	20030197595	2003-10-23	Olson et al.			
	5	20030216139	2003-11-20	Olson et al.			
	6	20030228879	2003-12-11	Witkowski et al.			

Signature

Examiner Name	Date
	12/12/05



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First Named Inventor: Mark Chuey  
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Electronic Version v1.1  
Stylesheet Version v1.1.0

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Mark D. Chuey Registered Number: 42,415	/s/Mark D. Chuey	Agent
<b>Documents being submitted</b> us-ids	<b>Files</b> Lear4077pus-usidst.xml us-ids.dtd us-ids.xsl	
<b>Comments</b>		



## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of  
Invention

REMOTE CONTROL AUTOMATIC APPLIANCE  
ACTIVATION

Application Number: 10/630315



Confirmation Number: 9100

First Named Applicant: Mark Chuey

Attorney Docket Number: LEAR 04077 PUS / 04077

Search string: ( 5680134 or 5841390 or 6005508 or 6243000  
or 6249673 or 6359558 or 6441719 or 6556813  
or 20020137479 or 20020163440 or  
20030067394 or 20030076235 or  
20030189530 ).pn.

### US Patent Documents



Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5680134	1997-10-21	Tsui			
	2	5841390	1998-11-24	Tsui			
	3	6005508	1999-12-21	Tsui			
	4	6243000	2001-06-05	Tsui			
	5	6249673	2001-06-19	Tsui			
	6	6359558	2002-03-19	Tsui			
	7	6441719	2002-08-27	Tsui			
	8	6556813	2003-04-29	Tsui			


### US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

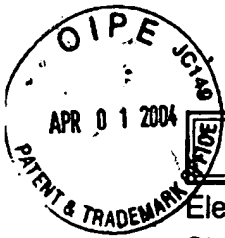
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	4	20030076235	2003-04-24	Tsui
	5	20030189530	2003-10-09	Tsui

Signature

Examiner Name	Date
	12/12/05





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First Named Applicant: Mark Chuey  
Attorney Docket Number: LEAR 04077 PUS / 04077



Search string: ( 4750118 or 5191610 or 5402105 or Re35364  
or 5715020 or 5731756 or 5751224 or 5841253  
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or RE37986 or 6525645 or 6556681 or 6559775  
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or 6362771 or 6634408 or 20020034303 or  
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### US Patent Documents

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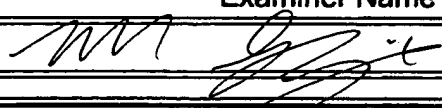
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M	1	4750118	1988-06-07	Heitschel et al.			
M	2	5191610	1993-03-02	Hill et al.			
M	3	5402105	1995-03-28	Doyle et al.			
M	4	Re35364	1996-10-29	Heitschel et al.			
M	5	5715020	1998-02-03	Kuroiwa et al.			
M	6	5731756	1998-03-24	Roddy			
M	7	5751224	1998-05-12	Fitzgibbon			
M	8	5841253	1998-11-24	Fitzgibbon et al.			
M	9	5949349	1999-09-07	Farris et al.			
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M	11	6021319	2000-02-01	Tigwell			

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13	6049289	2000-04-11	Waggamon et al.	
14	Re36703	2000-05-16	Heitschel et al.	
15	6078271	2000-06-20	Roddy et al.	
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18	6130625	2000-10-10	Harvey	
19	6131019	2000-10-10	King	
20	6154544	2000-11-28	Farris et al.	
21	6166650	2000-12-26	Bruwer	
22	6175312	2001-01-16	Bruwer et al.	B1
23	6181255	2001-01-30	Crimmins et al.	B1
24	6191701	2001-02-20	Bruwer	B1
25	6271765	2001-08-07	King et al.	B1
26	6308083	2001-10-23	King	B2
27	6333698	2001-12-25	Roddy	B1
28	6414587	2002-07-02	Fitzgibbon	B1
29	RE37986	2003-02-11	Heitschel et al.	E
30	6525645	2003-02-25	King et al.	B2
31	6556681	2003-04-29	King	B2
32	6559775	2003-05-06	King	B1
33	6320514	2001-11-20	Flick	B1
34	3456387	1969-07-22	C. A. Tolson	
35	4167833	1979-09-18	Farina et al.	
36	5109222	1992-04-28	Welty	
37	6362771	2002-03-26	Schofield et al.	B1
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## US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
1	1	20020034303	2002-03-21	Farris et al.	A1		
2	2	20020126037	2002-09-12	Fitzgibbon	A1		
3	3	20020191794	2002-12-19	Farris et al.	A1		
4	4	20030016119	2003-01-23	Teich	A1		

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<b>Signature</b>					
<b>Examiner Name</b>				<b>Date</b>	
				12/12/05	



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Electronic Version v18

Stylesheet Version v18.0

Title of Invention	REMOTE CONTROL AUTOMATIC APPLIANCE ACTIVATON						
Application Number: 10/630315							
Confirmation Number: 9100							
First Named Applicant: Mark Chuey							
Attorney Docket Number: LEAR 04077 PUS / 04077							
Search string: ( 1522241 or 3098212 or 3300867 or 3337992 or 3680951 or 4074200 or 4241870 or 4425717 or 4447808 or 4535333 or 4581827 or 4598287 or 4623887 or 4631708 or 4635033 or 4676601 or 4707788 or Re32576 or 4727302 or 4747159 or 4754255 or 4771283 or 4793690 or 4825200 or 4881148 or 4882565 or 4886960 or 4890108 or 4896030 or 4905279 or 4917477 or 4953305 or 4978944 or 4988992 or 5016996 or 5064274 or 5113821 or 5122647 or 5123008 or 5126686 or 5181423 or 5225847 or 5266945 or 5369706 or 5379453 or 5408698 or 5463374 or 5812097 or 5841813 or 5103221 or 5146215 or 5201067 or 5243322 or 5252960 or 5252977 or 5420925 or 5471668 or 5517187 or 5564101 or 5594429 or 5598475 or 5680131 or 5686904 ).pn.							
US Patent Documents							
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MM	2	3098212	1963-07-16	Creamer, Jr.			
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MM	4	3337992	1967-08-29	Tolson			
MM	5	3680951	1972-08-01	Jordan et al.			
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M	33	4978944	1990-12-18	Andros et al.
M	34	4988992	1991-01-29	Heitschel et al.
M	35	5016996	1991-05-21	Ueno
M	36	5064274	1991-11-12	Alten
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M	39	5123008	1992-06-16	Beesley
M	40	5126686	1992-06-30	Tam
M	41	5181423	1993-01-26	Philipps et al.
M	42	5225847	1993-07-06	Roberts et al.
M	43	5266945	1993-11-30	Peek et al.
M	44	5369706	1994-11-29	Latka

	45	5379453	1995-01-03	Tigwell
	46	5408698	1995-04-18	Serizawa et al.
	47	5463374	1995-10-31	Mendez et al.
	48	5812097	1998-09-22	Maldonado
	49	5841813	1998-11-24	Van Nee
	50	5103221	1992-04-07	Memmola
	51	5146215	1992-09-08	Drori
	52	5201067	1993-04-06	Grube et al.
	53	5243322	1993-09-07	Thompson et al.
	54	5252960	1993-10-12	Duhamel
	55	5252977	1993-10-12	Lueker et al.
	56	5420925	1995-05-30	Michaels
	57	5471668	1995-11-28	Soenen et al.
	58	5517187	1996-05-14	Bruwer et al.
	59	5564101	1996-10-08	Eisfeld et al.
	60	5594429	1997-01-14	Nakahara
	61	5598475	1997-01-28	Soenen et al.
	62	5680131	1997-10-21	Utz
	63	5686904	1997-11-11	Bruwer

Signature

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EFS ID: 60627  
Application ID: 10630315  
Title of Invention: REMOTE CONTROL AUTOMATIC  
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<b>Confirmation Number:</b> 9100		
<b>Attorney Docket Number:</b> LEAR 04077 PUS / 04077		
<p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p>		
<b>Submitted by:</b>	<b>Elec. Sign.</b>	<b>Sign. Capacity</b>
Mark D. Chuey Registered Number: 42,415	/s/Mark D. Chuey	Agent
<b>Documents being submitted</b> us-ids	<b>Files</b> llear04077pus-usidst.xml us-ids.dtd us-ids.xsl	
<b>Comments</b>		







<b>Substitute for Form 1449B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/630,315
				Filing Date	July 30, 2003
				First Named Inventor	Mark D. Chuey
				Group Art Unit	2632
				Examiner Name	Unknown
Sheet	2	of	3	Attorney Docket Number	LEAR 04077 FUS (04077)
<b>OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
M		Garage Door/Gate Remote Control User's Instructions (Model 39), Skylink Technologies Inc., 2002.			
M		HomeLink Wireless Control System Lighting Kit Installation, <a href="http://www.homelink.com/print/lighting_print.html">http://www.homelink.com/print/lighting_print.html</a> .			
M		HomeLink Wireless Control System Frequently Asked Questions, <a href="http://www.homelink.com/print/faq_print.html">http://www.homelink.com/print/faq_print.html</a> .			
M		HomeLink Universal 2 Channel Receiver Model PR433-2, Installation Instructions, 114A2437, 2000.			
M		Getting Started with HomeLink, Programming Garage Door Openers and Gates.			
M		HomeLink Universal Transceiver Lighting Package Programming.			
M		Microchip HCS360 Keeloq Code Hopping Encoder, Microchip Technology Inc., DS40152E, 2002.			
M		Microchip TB003, An Introduction to Keeloq Code Hopping, Microchip Technology Inc., DS91002A, 1996.			
M		Chamberlain LiftMaster Professional Universal Receiver Model 635LM Owner's Manual, 114A2128C, The Chamberlain Group, Inc., 2002.			
M		Flash2Pass eliminates past garage door opener hassles using a secure and easy-to-install system, Press Release, F2P Electronics, Inc., January 2002.			
M		Flash2Pass Easy Set Up Instructions, v031003, F2P Technologies.			
M		The X-10 Powerhouse Power Line Interface Model #PL513 and Two-Way Power Line Interface Model #TW523, Technical Note, Dave Rye, Rev. 2.4, PL/TWTN/1291.			

Examiner Signature		Date Considered	12/12/05
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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				Filing Date	July 30, 2003
				First Named Inventor	Mark D. Chuey
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Examiner Name	Unknown				
Sheet	3	of	3	Attorney Docket Number	LEAR 04077 PUS (04077)
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M		Neural Networks for ECCM, Simon Haykin, McMaster University Communications Research Laboratory Technical Report 282, Neurocomputing for Signal Processing, February 1994, <a href="http://www.crl.mcmaster.ca/cgi-bin/makerabs.pl?282">http://www.crl.mcmaster.ca/cgi-bin/makerabs.pl?282</a> .			
M		DRFM Theory of Operation, KOR Electronics, Inc., <a href="http://www.korelectronics.com/product_sheets/theory-of-operations/drfm-theoryofop.htm">http://www.korelectronics.com/product_sheets/theory-of-operations/drfm-theoryofop.htm</a>			
M		Fabrication Process Combines Low Cost and High Reliability, Murat Eron, Richard J. Perko and R. James Gibson, Microwaves & RF, October 1993.			
M		Pager and Garage Door Opener Combination, Gail Marino, Motorola Technical Developments, vol. 10, March 1990.			

Examiner Signature		Date Considered	12/12/05
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

MARK D. CHUEY

Group Art Unit: 2632

Examiner: Unknown

Serial No.: 10/630,315

Filed: July 30, 2003

For: REMOTE CONTROL AUTOMATIC APPLIANCE  
ACTIVATION

Attorney Docket No.: LEAR 04077 PUS (04077)

**INFORMATION DISCLOSURE STATEMENT**

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P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and § 1.97-1.98, the references listed and identified on the attached Forms PTO/SB08A and/or SB08B are being submitted herewith for consideration by the Examiner.

While this Statement is being filed in compliance with the duty of disclosure, citation of the attached references is not to be construed as an admission that any of the reference(s) are "material" as defined under 37 C.F.R. § 1.56(b).

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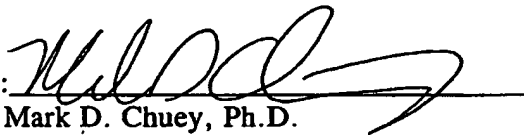
Mark D. Chuey, Ph.D.  
Name of Person Signing

  
Signature

If the filing date of this application is on or before June 30, 2003, a copy of each reference listed on the attached Forms PTO/SB08A and/or SB08B is included herewith. If this application was filed after June 30, 2003, copies of any cited U.S. patent/application references have not been included. Consideration and entry into the record of these references is respectfully requested.

Respectfully submitted,

**MARK D. CHUEY**

By:   
Mark D. Chuey, Ph.D.  
Reg. No. 42,415  
Attorney/Agent for Applicant

Date: May 13, 2004

**BROOKS KUSHMAN P.C.**  
1000 Town Center, 22nd Floor  
Southfield, MI 48075-1238  
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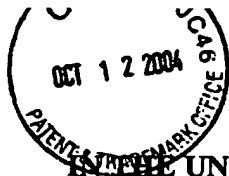
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<b>Application Number</b>	10/630,315
<b>Filing Date</b>	July 30, 2003
<b>First Named Inventor</b>	Mark D. Chuey
<b>Group Art Unit</b>	2632
<b>Examiner Name</b>	Unknown
<b>Attorney Docket Number</b>	LEAR 04077 PUS (04077)

Sheet	1	of	2
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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.





IFW

UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

MARK D. CHUEY

Group Art Unit: 2632

Examiner: Unknown

Serial No.: 10/630,315

Filed: July 30, 2003

For: REMOTE CONTROL AUTOMATIC APPLIANCE  
ACTIVATION

Attorney Docket No.: LEAR 04077 PUS (04077)

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

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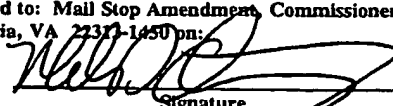
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Mark D. Chuey  
Name of Person Signing

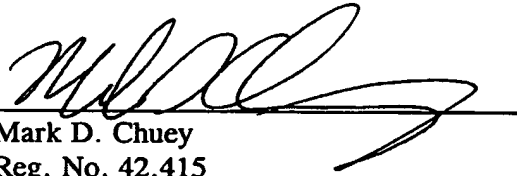
  
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Respectfully submitted,


**MARK D. CHUEY**

By:   
Mark D. Chuey  
Reg. No. 42,415  
Attorney for Applicant

Date: October 8, 2004

**BROOKS KUSHMAN P.C.**  
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				Application Number	10/630,315
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				Group Art Unit	2632
				Examiner Name	Unknown
				Attorney Docket Number	LEAR 04077 PUS (04077)
Sheet		of	2		

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

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Examiner Signature	<i>M. Sh...</i>	Date Considered	12/12/05
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

MARK D. CHUEY

Group Art Unit: 2632

Examiner: Unknown

Serial No.: 10/630,315

Filed: July 30, 2003

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ACTIVATION

Attorney Docket No.: LEAR 04077 PUS (04077)

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. § 1.97(b)**

Mail Stop Amendment  
Commissioner for Patents  
U.S. Patent & Trademark Office  
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Alexandria, VA 22313-1450

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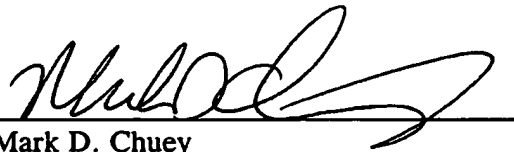
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Consideration and entry into the record of the listed references is respectfully requested.

Respectfully submitted,

**MARK D. CHUEY**

By:   
Mark D. Chuey  
Reg. No. 42,415  
Attorney for Applicant

Date: December 14, 2004

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		First Named Inventor	Mark D. Chuey		
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Sheet	2	of	2	Attorney Docket Number	LEAR 04077 PUS (04077)

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

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M		Combined Search and Examination Report Under Sections 17 and 18(3) mailed November 2, 2004 for European patent application GB 0416789.6.	
M		Combined Search and Examination Report Under Sections 17 and 18(3) mailed November 2, 2004 for European patent application GB0416753.2	
M		Combined Search and Examination Report Under Sections 17 and 18(3) for European Application No. GB0416742.5 dated October 26, 2004	
M		German Search/Examination Document, German Patent Application No. 103 14 228.2, December 14, 2004	

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